WHAT IS OF AIMED IS.

	ı	WHAT IS CLAIMED IS:
Jrs	2	1. A system for data transformation, comprising:
	26	one or more read spokes, each read spoke configured to connect to one or more
113	4	data sources, wherein each data source has one or more data structures
	<i>_</i> 8 <i>_</i>	referred to collectively as source structures;
	6	one or more modeless write spokes, each modeless write spoke configured to
	7	connect to one or more data targets, wherein each data target has one or
	8	more data structures referred to collectively as target structures; and
	9	a transformation engine operatively coupled to the one or more read spokes for
	10	retrieving data from the one or more data sources, and coupled to the one
	11	or more modeless write spokes for storing data in the one or more data
.	12	targets, comprising:
	13	a data transformation map that comprises one or more mappings that
	14	relates one or more source structures to one or more target
	15	structures;
	16	an event list, comprising one or more event actions, each with a
#.74 #1.44	17	corresponding triggering event,
12	18	wherein the transformation engine is configured to
	19	iterate through the data sources and detect occurrence of triggering
<u>.</u>	20	events,
įż	21	in response to the detection of triggering events, execute the
	22	respective one or more event actions from the event action
	23	lst.
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The system of claim 1, wherein the transformation engine further comprises a query language preprocessor deerable to review the data transformation map and evaluate embedded expressions in the one or more mappings.

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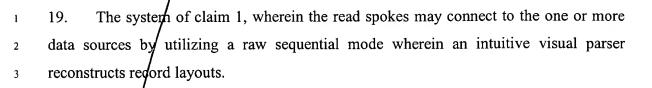
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3. The system of claim 1, wherein at least one of the event actions, referred to as a transformation event action, comprises:

retrieving at least one source structure from the data source,

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1	transforming said at least one source structure, referred to as transformed source
2	data, and
3	storing said transformed source data in one or more target structures; and
4	wherein said transformation engine is operable, in response to a transformation
5	event action, transform data specified by said transformation event action
6	in a manner described in the data transformation map.
7	
8	4. The system of claim 1, further comprising a user interface configured to allow a
9	user to define the one or more data sources, and to define data structures in each of the
10	one or more data sources.
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12	5. The system of claim 1, further comprising a user interface configured to allow a
13	user to define the one or more data targets, and to define data structures in each of the one
14	or more data targets.
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16	6. The system of claim 1, further comprising a user interface configured to allow a
17	user to define the relationship between one or more data sources and one or more data
18	targets.
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20	7. The system of claim 6, further comprising the user interface allowing the user to
21	relate source structures to target data structures.
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23	8. The system of claim 7, wherein the user interface is further comprises a display
24	configured to graphically depict the relation between the source structures and the target
25	structures specified in the transformation map.
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27	9. The system of claim 6, wherein the user interface is further configured to define
28	the relationship between one or more data sources and one or more data targets as a
29	logical expression.
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1	10.	The system of claim 6, wherein the user interface is further configured to define		
2	the re	the relationship between one or more data sources and one or more data targets as a		
3	numer	ic expression.		
4				
5	11.	The system of claim 1, wherein the transformation engine further comprises a		
6	displa	y configured to show the contents of the data source and the contents of data		
7	structu	ires in the data target.		
8				
9	12.	The system of claim 1, wherein the associated triggering event is a generic source		
10	event.			
11				
12	13.	The system of claim 1, wherein the associated triggering event is a generic target		
13	event.			
14				
15	14.	The system of claim 1, wherein the associated triggering event is a generic		
16	transfo	ormation event.		
17				
18	15.	The system of claim 1, wherein the associated triggering event is a specific source		
19	record	event.		
20				
21	16.	The system of claim 1, wherein the transformation engine is further configured to		
22	filter	the data retrieved from the data source, the data passing the filter referred to as		
23	filtere	d source data, and is further configured to iterate through only the filtered source		
24	data.			
25				
26	17.	The system of claim 16, wherein the transformation engine is further configured		
27	to filte	er the data using predetermined sampling parameters governing a range or sample.		
28				
29	18.	The system of claim 16, wherein the transformation engine is further configured		
30	to filte	er the data using a predetermined logical extraction criteria.		



20. The system of claim 1, wherein the read spokes may connect to the one or more data sources by utilizing a compatible physical file format allowing the transformation engine to physically read from the one or more data sources using the native internal storage format.